

AJAX TOIKE OIKE



TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY,
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY.

Vol. XXXVII

Monday, January 14, 1946

No. 5

AJAX AFFILIATION ACCLAIMED!

A GREAT ADVENTURE THE DEAN

TO THE CLASS OF 4T9 AJAX DIVISION

It is a pleasure for me, as president of the Engineering Society to welcome you, the second group of Freshmen to enroll in the Class of 4T9. As new members in this, the largest single undergraduate body on the Campus of the University of Toronto, and the largest undergraduate Engineering Society anywhere in the British Empire, you are to be congratulated.

Your Society was founded in 1885, ten years in advance of the Engineering Institute of Canada, and is by virtue of this fact, the oldest Engineering Society in Canada. You should know that the founder of our Society is Dr. T. Kennard Thomson of New York City. He was with us at our School Dinner this fall when we celebrated the sixtieth anniversary of the Society's founding.

If I may be allowed to quote from the Constitution:—"The object of the Engineering Society shall be:

- (a) the encouragement of original research in Engineering;
- (b) the presentation of the results of such research;
- (c) the dissemination of these results among its members;
- (d) the cultivation of the spirit of mutual assistance and co-operation among the members of the Society in the preparation for, and the practice of, the profession of engineering;
- (e) to afford an official means of communication between the student body and the Faculty Council, the University authorities, and the students of other faculties."

So you can see, gentlemen, that although the above is not an exhaustive compilation of the Society's functions, it is a very important organization in the life of the young "Engineer-in-



DEAN C. R. YOUNG

*Whose hand now guides the destinies of
some 3,000 Engineering students.*

Training" at School. The Engineering Society is not a static organization—it is like any normal being, and has its ups and downs, but over a period of years, it advances. Its present position is due entirely to the efforts of those who have gone before us. Your Society and mine can be carried on to new high levels of exaltation—you are the men that must do that and it is with you that I exchange this great responsibility. The more you do for 'School' the more it will return to you in repayment of your efforts.

The Ajax division of the Engineering Society, although removed slightly by virtue of location from the campus itself, is none the less a very real and vital part of School. It should be run and operated as closely to the pattern of the

Breaking into entirely new territory, the Faculty of Applied Science and Engineering now opens its doors for junior classes at Ajax. Not until the recent war descended upon us was any thought entertained of such numbers of undergraduates as would completely overflow the regular accommodation on the University campus. It had been hoped that the long-nurtured plans for physical expansion could have been carried out before now, but this proved to be impossible. The deep depression of the thirties precluded the financing of certain essential features of the building programme and when the war came neither materials nor labour could have been obtained even if the funds for buildings and associated services had been forthcoming. Hence it has come about that a move away from the campus is necessary for the work of the first and second years.

There is, however, a highly stimulating aspect to the new enterprise. Many hundreds of young men will be brought together in a unique scholastic community. Facilities of remarkable variety and extent have been provided or will be available very soon. It needs only the normal resourcefulness and initiative of vigorous and original young men to create quickly a tradition that will be prized by every student and graduate of the Faculty. History will be made and I am sure that it will be a history of which we shall all be proud.

Everyone at Ajax, students and staff alike, are invited to throw into this novel undertaking their best thought and endeavour. Given good will and a spirit of co-operation, the men of Ajax will in due course carry with them to the campus at Toronto an *esprit de corps* that will make many a less favoured student wish he had had the opportunity of living in a like community himself.

C. R. YOUNG,
Dean.

(Continued on page 2)

THE TOIKE OIKE

*Devoted to the interests of the Under-
graduates of the Faculty of
Applied Science*

*Published Every Now and Then by
The Engineering Society of the
University of Toronto*

Editor GORD ROSENTHAL
Assistant Editor PETE NEURATH
Feature Editor BUD BROWN
Literary Editor FRED KAHN
Business Manager BOB COOKE

EDITORIAL

It has often been said that students are at University primarily to equip themselves to make a better living. This is perhaps particularly true in the case of Engineering students. It is often only the (frequently unjustified) hope for that high monthly check which keeps them plugging away four long years, even through such "humanistic and useless" courses as History and Political Science, not to mention Philosophy.

We wonder how many of them realize how fundamentally opposed to the ideal of a true University such an attitude is. We wonder how many of them ever tremble to think of the large number of uneducated leaders our Universities turn out annually. Yes, uneducated, although quite full of technical knowledge.

These statements perhaps require amplification, but we assure our readers that they will have many opportunities to acquaint themselves with the problem in the near future. We do, however, want to draw a moral. This issue of the *Toike Oike* welcomes an unprecedentedly large freshmen class to Engineering. It would be hypocritical to say glibly and assuredly that a few years from now Canadian industry will be able to absorb an equally large graduating class in technical positions of a standard on par with the training received. Hence, if you are looking forward to little else besides the bigger pay check, we should regretfully consider that the present expansion of the Faculty of Applied Science is not entirely justified. But if you have, as we hope you have, come here for a true education, one that will help show you the way to lead a *better life*, and have chosen Engineering because of a special aptitude for things technical, then you will not be wasting your, the faculty's and the public's time, effort and money.

To the conscientious search for truth, goodness and beauty we welcome you into the University of Toronto as another great corporate member.

SPORTOIKE

WELCOME to 4T9

As president of the Athletic Association at S.P.S. here on the University of Toronto campus it is my privilege and pleasant duty to welcome you, the addition to the class of 4T9, to our midst on behalf of the Athletic Association.

It is the duty of the body, of which I am president, to govern and run inter-faculty sport within S.P.S. and we hope to ultimately build a similar body at Ajax. Our executive consists of a president (4th year), vice-president (2nd year), a secretary-treasurer (3rd year), and one Athletic Representative from each year.

At Ajax we hope to have elected, in your general elections, one man who will be Athletic Representative. It is his duty to sit on the general executive for your year, as well as be in charge of Athletics. His Athletic Board will consist of one member elected from each of the houses in the residence block. They will elect their own vice-president and secretary-treasurer and spend their own collected fees. The S.P.S. Athletic Association here on the campus will at all times, be ready to give advice and assistance wherever it is wanted or deemed necessary.

Until we see you at Ajax.

Yours for good sport,

A. N. "Gus" CAMPBELL.

CLASS OF 4T9

(Continued from page 1)

parent society on the campus as conditions at Ajax will permit. This is so that the experience gained through the past years may be made use of there, and so that when you new members do move to the campus proper you shall be able to carry on here without radical alteration. There are, however, some differences and we plan to meet with you in your residences shortly and talk the whole matter over with you. Shortly after that you will be electing your house executive and the executives of your Engineering Society. Then you shall be on your own to operate as you see best. We, the Society at Toronto, will be standing by, glad to offer you any assistance if problems should arise. You have heavy years ahead of you, but you can cope with the situation if you work diligently. In conclusion, Men of the Class of 4T9, I would wish you the very best of good luck in this, the profession of your choice!

M. D. McCULLOCH,

President,

Engineering Society.

A good girl always answers "No!"
A bad girl always "Yes"-ses,
A smart girl makes them sound alike
And keeps the boys by guesses.

The
Sampuc
Tat

The tramp, tramp, tramp, (W'ot—a ruddy story about hoboes?) of marching feet echoed again from the lofty dome of Toronto Union Station.

A long column of men, each dressed sombrely in a maroon, orange and scarlet tie, behind which a one inch stripe tweed glowed feebly, dragged themselves silently up the stairs toward the waiting train.

As one of them staggered and fell out of line, the men could be heard to murmur, "Lucky dog, he won't be going to AJAX!!!"

The men, mere 200 lb. shadows of their former service selves, were packed into the waiting, sighing, coaches that were to take them to—to—to—(we can't say it—Ed.: The writer refers to Ajax). In a few moments the more than 1500 unfortunates were suffering the well known heartless cruelties of that organization, so frightening that it is known by its initials only, the C.N.R. (We have it on good authority—told to us over a short beer—that the 'C' stands for cyanide. The remaining letters are left to your own blood-thirsty little imagination.)

At AJAX the men were 'welcomed' by the Chief Jailer—ex-Professor Not 2 Bright and his burly assistant, ex-Warden of Hart House, Gay Joy Willies. As the lost 1500 stood shivering in the sub, sub, sub (we used to be in the Navy) zero temperature, Professor Bright, Not 2 addressed them.

"Gentlemen, it gives me great pleasure to—uh—welcome—uh—you here—uh—! We—uh want you—uh—to feel—uh—at home here—uh—!!!!" The terror stricken throng shuddered in horror, knowing full well the significance of the professor's suggestive "uh".

Gay Joy Willies crept sadly through the crowd. His lower lip trembled as he muttered to himself, "If only I had them back in Hart House—I'd give them the (sob) queue treatment, and then (fiendish chortle) a cup of Great Hall coffee.

The extreme fright of the men was obvious as one of them was overheard whispering to a neighbour, "Wonder where we find the nearest licensed—or unlicensed—beverage room?" Deputy Jailer Willies was on the conspiring two immediately. He silenced them with a single scathing word — "BOYS!!!"

At this moment all eyes were turned upward at a magnificent cloaked figure which plummeted down like a bullet from the sky. It wasn't a bird, it

(Continued on page 4)

INTRODUCING THE ENGINEERING SOCIETY

These few words are to help you know your administrative body—how it is made up, what it can do, and does, for you. I am speaking of your Engineering Society.

This year is the 60th Anniversary of the Toronto campus Engineering Society and it is made even more important by the addition of our Ajax Annex Society. All in all, this should be the greatest year in the Engineering Society's history and each of you can help make it so by pitching in and giving the Society your unlimited support.

First, a little history of the Society. It was founded in 1885 by Dr. T. Kenward Thomson—strictly a student body, run by, and for the students of the School of Practical Science (now the Faculty of Applied Science and Engineering). At first, the head of "School", Principal Galbraith, acted as president, but in 1888, H. E. T. Haultain (now Professor Haultain) became the first student president. The first issue of *Transactions and Year Book* was published in 1887 and has been standard equipment since then.

Each course has its own club—Civil, Mining and Metallurgy, Mechanical, Engineering Physics, Architectural, Industrial Chemical, Electrical, and Aeronautical, and these, along with the Debates Club, form an integral part of our organization. The President, first and second Vice-Presidents, Secretary, Treasurer, Presidents of each year and the aforementioned clubs, form the Executive Committee of the Society. The presidents of each year have a Vice-President, Secretary-Treasurer, and an Athletic Representative, all elected by student vote—who look after the business of their class and further facilitate the business of the Society as a whole. There is also a year representative from each club, who acts as a connecting link between his class and the club he belongs to.

The above system will be modified for you at Ajax due to the fact that there will be only one year. The clubs will not be in existence until a second year is started; also the Society executive and year executive will be one and the same for this session. The executive will consist of a President, first and second Vice-Presidents, Secretary, Treasurer, and Athletic Director, who will function in like manner to their counterparts on the Toronto campus in compliance with the present constitution of the Engineering Society of the University of Toronto.

The activities of the Society are first, the regular open meetings at which prominent speakers talk on engineering

and allied subjects. These meetings are usually held monthly and are of undeniable value, inasmuch as they are usually a discussion of practical application of some of the work we study.

Also for the furtherance of engineering knowledge, the *Transactions and Year Book* is printed. This contains a number of papers on Engineering subjects and also gives the student a report on the activities of the Society and School in general during the preceding year.

An important characteristic of the Engineering Society is its part as connecting link between the Engineering students and staff and also between us and other faculties. When a question regarding student policies arises, the Society represents the students' viewpoint. In order that you might keep in touch with campus activities, you will have representation on the Students' Administrative Council, which looks after student activities of the University as a whole.

Elsewhere in this issue you will find an article on the Supply Department which is run by the Society for your convenience. Please remember that the Supply Department is strictly a non-profit organization and is operated so that Schoolmen may obtain their draughting and stationery supplies quickly and cheaply and your patronage will keep it going.

In the way of social activities, the Society plans the School Dinner, School Nite and the School At-Home as well as other social functions for the Engineering Students. The first two have passed already, but the School At-Home is on Wednesday, January 16, and you are all cordially invited to attend. Your own executive will organize any function which takes place at Ajax and so be sure to vote for the best men and give them your support to the utmost.

Last but not least comes your Athletic Association. School has always been on top in University sports, and it is your duty to carry on the tradition. An article on the Athletic Association is included in this issue and so we will not go into it in further detail here.

There it is, fellows—a brief outline of your Engineering Society. Get to know it intimately as quickly as possible because, after all, it is YOURS, its problems are YOUR problems, its business is YOUR business and it needs YOUR support to carry on!

F. "WHITEY" BELSHAW,
1st Vice-President,
Engineering Society.

THE FIRST YEAR AT AJAX

From the first day of the first term at Ajax, you will be faced with a typical engineering situation—that of applying established principles to a new situation.

The Council of the Faculty of Applied Science and Engineering of the University of Toronto has developed principles of training necessary for Engineers. They change with the times, but are well established and tested by time. You must apply these principles to your training at Ajax.

The new situation differs from the usual one in geographical location, in the variety of previous training and experience found among members of the first year, and in the large numbers desiring training.

Having interviewed a majority of the students who are enrolled at Ajax, I feel that this group will meet this situation with great success.

If unforeseen difficulties arise, students will co-operate in solving them, fortified by knowledge of their success in surmounting the tremendous difficulties of war. Character developed under such difficulties will not break down even if, at times, academic progress seems discouragingly slow. Initiative will not be lacking, and determination to succeed will abound.

Those who have been away from school for several years see the necessity of a broad and thorough basic training more clearly than those who have just left high school. They can spur the ambition of those who have had less practical experience and at the same time get help with the less familiar academic work. Probably no other class in Engineering has had greater opportunities for exchanging a variety of knowledge and of experiences among the members of the class. Therefore even if the situation is new and unexpected, your chances of success are great. Your training programme is time-tested and administered by experienced men. You contribute outstanding character, determination and ability. You bring to your task experience and ability and a spirit of co-operation.

The graduating class of 4T9 should be one of the finest of all time.

H. L. SHEPHERD,
Student Counsellor.

We Would Like to See You All at
The School At-Home
Wednesday, January 16
Royal York Hotel

Three Sensational Bands!
Jerry Wald * Ellis McLintock
* Bobby Gimby *
Tickets \$3.00 a Couple.
Informal. Dancing 9-2.

THE SUPPLY DEPARTMENT

Every man coming into School requires many articles peculiar to the Engineering courses. The Engineering Society, of which you are now a member, has, for a good many years maintained in your interests a store meant to supply these various needs.

The Ajax division is just as much a part of the U. of T. as is the old red School-house on the campus, and the Engineering Society is establishing a store much the same as the one now operating on the campus. Because of our large sales, we can supply goods at very reasonable prices, all profits from sales are used in the upkeep of the store and its sales people.

Wartime restrictions have not been lifted from some supplies as yet, so do not be impatient if you are not able to get your supplies the first week. There are about 1800 students to completely outfit, and only two girls to sell the goods, so please be patient and you will be served with all haste possible.

The University Press will carry all text books you will need. The store is just next door, so they will be convenient to you.

Get to know the girls at the counter. They are there to serve you and to help you in any way possible. Call them by name—Mrs. Clarke and Gwen Scott.

Any complaints on faulty instruments, etc., can be brought to the store and they will be looked after.

Best of luck,

C. W. DANIEL,
2nd Vice-President,
Engineering Society.

ATTENTION!

AJAX ELECTIONS

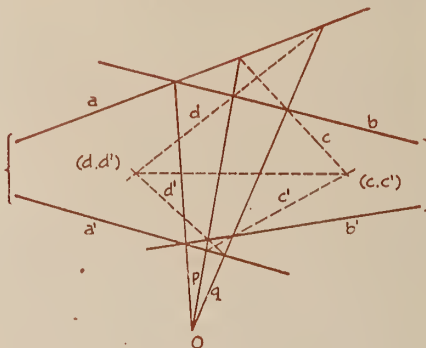
There's an old saying about Christmas coming only once a year—this may be out of place now but the phrase—elections only come once a year is not too untimely.

On Wednesday, January 30th, you will be asked to elect your Engineering Society Executive for the coming year. The following offices are to be filled: President, 1st and 2nd Vice-Presidents, Secretary, Treasurer, and Athletic Director. These are responsible positions for the right men to hold.

Nominations will be open from Friday, January 25th, through to Monday, January 28th. A nomination consists of a piece of paper containing the student's name and the position for which he seeks. To this must be added the names of two other students who are

INAPTITUDE TEST

WHAT IS THIS?



1. A culture of spirochetylococcus dimwiddus bacilli?
2. A cross-pattern of "black-light" searchlights in daylight?
3. Trails in the snow behind the Old Mill?
4. The trajectory of stars in the milky way?
5. Aerial view of C.N.R. system from Mosquito Junction to Pooper's Paradise Hotel?
6. Weather map isotherms for Hogtown?
7. Contour lines of Lana Turner at the ripe young age of 66?
8. The Japanese character for wine, women and song?
9. A picture of chief slashes on a newly shaven face (Pul razor blade job)?
10. Secret tunnel routes to the nearest Pub?

The answers will be found on Page 24, Column 3, of this Edition.

To avoid much shuffling of pages, the answer is given below.

DRAFTING SUPPLIES

The following list of supplies may be purchased at the Engineering Society Supply Department:

1 Tee Square 30"	\$2.40
1 Tee Square 10"	.85
1 Set Square 14" 60°	1.00
1 Set Square 10" 45°	.60
1 Dozen Thumb Tacks	.05
1 Fractional Scale	.45
1 Decimal Scale	.45
1 Pencil Pointer	.10
1—H, 2H, 3H Pencil	.25
1 Pencil Rubber	.15
1 Ink Rubber	.10
3 Bottles Ink (Black, Red, Blue)	.90
4 Sheets Drawing Paper	.40
1 Portfolio	1.00
1 Dusting Brush	.50
1 Penholder	.05
6 Pen Nibs	.10
1 Erasing Shield	.25
2 Sketch Problem Covers	.05
1 Sketch Problem Pad	.15

TOTAL \$9.80

Drawing Instruments \$12.50

SAMPUC TAC

(Continued from page 2)

wasn't a plane, it wasn't even Superman . . . it was The President of The Engineering Society, 'Mucker' MuCullugh! He wasted no time, but spoke to the now hopeful men in his usual sweeping rhetoric. We quote him in full, "Hi fellas." The men cheered wildly while Bright, Not 2 and Gay Joy smiled down at them and in chorus, to the tune of "Dentyne Chewing Gum", sang—"We were only fooling . . ."

AND EVERYONE LIVED HAPPILY EVER AFTER

except

Frdl

Who wrote this and now has to explain it to The Powers.

He mumbled a few words in church—he was married.

He mumbled a few words in his sleep—he was divorced.

* * *

She—"I want a man who will take my head in his hands, who will tilt it back, and caress it as my eyes light up with happiness."

He—"What do you think you are? A pinball machine or something?"

None of them! Rate yourself 100% if you have not attempted an answer: you will find out what it is in pretty much of a hurry! This is your introduction to Engineering!?!

PLAN TO BE AT---

★ THE SCHOOL AT HOME ★

WEDNESDAY

DANCING 9-2

ROYAL YORK HOTEL